

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
niobium (Nb),  $Z = 41$ ,  $A = 92.90637(2)$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	1.1792	0.5132	0.3920	2.0844
5.	1.6197	1.3813	0.4189	3.4199
10.	1.9775	2.0558	0.4000	4.4333
20.	2.3448	2.7202	0.3890	5.4540
50.	2.8279	3.7049	0.3777	6.9104
100.	3.1739	4.3663	0.3694	7.9096
200.	3.4928	4.9617	0.3654	8.8200
500.	3.8558	5.5169	0.3654	9.7381
1000.	4.0779	5.8155	0.3712	10.2646
2000.	4.2533	6.0331	0.3803	10.6667
5000.	4.4188	6.2162	0.3971	11.0322
10000.	4.5021	6.3016	0.4140	11.2177
20000.	4.5580	6.3572	0.4335	11.3488
50000.	4.6046	6.3994	0.4640	11.4680
100000.	4.6258	6.4170	0.4900	11.5327